
Supplementary Materials

Biodegradation behavior of poly(butylene adipate-co-terephthalate) (PBAT), poly(lactic acid) (PLA), and their blend in freshwater sediment

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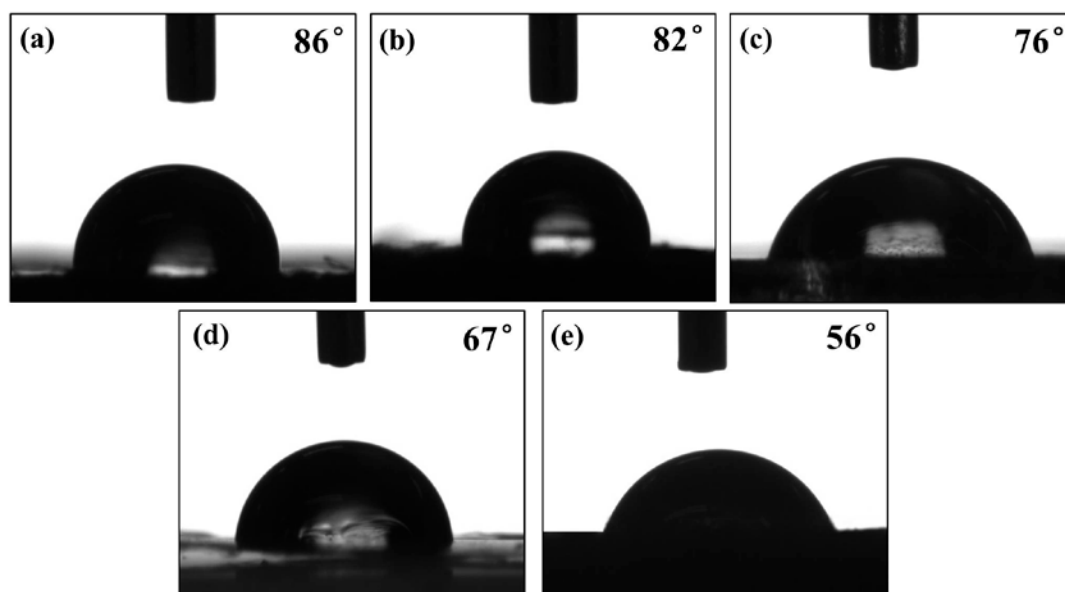


Fig S1 Static water contact angle of (a) PBAT, (b) PLA/PBAT-25, (c) PLA/PBAT-50, (d) PLA/PBAT-75, (e) PLA.

Table S1 TGA of PLA/PBAT composite films before and degradating for 6 months, 12 months, 18 months and 24 months.

Sample		Temperature at 5% Mass Loss (° C)	Temperature at 50% Mass Loss (° C)	Peak Degradation Temperature (° C)
PLA	0 month	340.67	371.27	399.18
	6 months	312.79	362.54	392.69
	12 months	301.68	345.40	377.19
	18 months	295.57	331.63	363.68
	24 months	292.39	339.23	351.90
PLA/PBAT-25	0 month	336.03	387.26	487.69
	6 months	312.15	366.59	483.45
	12 months	317.03	367.13	480.05
	18 months	315.57	366.63	477.79
	24 months	307.85	359.44	475.03
PLA/PBAT-50	0 month	332.97	382.87	477.49
	6 months	304.23	369.81	473.49
	12 months	300.47	371.12	471.88
	18 months	297.79	370.96	471.03
	24 months	296.01	378.39	470.83
PLA/PBAT-75	0 month	330.30	371.12	473.91
	6 months	314.50	385.53	465.02
	12 months	284.96	369.37	462.77
	18 months	267.71	354.03	460.48
	24 months	283.92	379.28	473.08
PBAT	0 month	374.12	413.15	473.22
	6 months	356.28	417.58	457.12
	12 months	348.26	406.95	450.24
	18 months	341.26	412.21	462.94
	24 months	346.92	408.06	476.88